

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/549,660	
				Filing Date	May 2, 2006	
				First Named Inventor	Terje Eidesmo et al.	
				Art Unit	2862	
				Examiner Name	Bot L. Ledynh	
Sheet	1	of	14	Attorney Docket Number		1101.151US01

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
		US-2,077,707	04/20/1937	Melton
		US-2,531,088	11/21/1950	Thompson
		US-2,907,389	10/06/1959	Hitzman
		US-3,052,836	09/04/1962	Postma
		US-3,332,487	07/07/1967	Jones
		US-3,398,356	08/20/1968	Still
		US-3,548,299	12/15/1970	Duroux et al.
		US-3,806,795	04/23/1974	Morey
		US-3,836,960	09/17/1974	Gelman et al.
		US-3,959,721	05/25/1976	Roschuk et al.
		US-4,010,413	03/01/1977	Daniel
		US-4,047,098	09/06/1977	Duroux
		US-4,079,309	03/14/1978	Seeley
		US-4,168,484	09/18/1979	Wright Jr.
		US-4,258,321	03/24/1981	Neale, Jr.
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		US-4,296,379	10/20/1981	Yoshizumi
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		US-4,489,276	12/18/1984	Yu
		US-4,456,067	06/26/1984	Pinner
		US-4,506,225	03/19/1985	Loveless et al.
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
		WO 81/01617	06/11/1981		
		WO 89/10463	02/11/1989		

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		US-4,594,551	06/1986	Cox et al.
		US-4,616,184	10/07/1986	Lee et al.
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		US-4,633,182	12/30/1986	Dzwinel
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		US-4,660,645	04/28/1987	Newlove
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		US-4,791,998	12/20/1988	Hempkins et al.
		US-4,835,474	05/30/1989	Parra et al.
		US-4,906,575	03/06/1990	Silver
		US-4,957,172	09/18/1990	Patton et al.
		US-4,986,354	01/22/1991	Cantu
		US-4,992,995	02/12/1991	Favret

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
		WO 96/06367	02/29/1996		
		WO 00/63718	10/26/2000		
		WO 00/13037	03/09/2000		
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		EP 0087271	08/31/1983		
		EP 1 385 971	04/13/1972		

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		US-5,043,667	08/27/1991	Schofield
		US-5,044,435	09/03/1991	Sperl
		US-5,066,916	11/19/1991	Rau
		US-5,083,611	01/28/1992	Clark
		US-5,103,920	04/14/1992	Patton
		US-5,177,445	01/05/1993	Cross
		US-5,185,578	02/09/1993	Stolarczykz
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		US-5,280,284	01/18/1994	Johler
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		WO 92/13172	06/08/1992		
		WO 92/15771	09/17/1992		
		EP 0512756	11/11/1991		
		FR 2479992	10/09/1981		
		WO98/28638	07/02/1998		
		WO 00/00850	01/06/2000		
		EP 0814349	12/29/1997		

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		US-5,689,068	11/1997	Locatelli et al.
		US-5,704,142	01/06/1998	Stump
		US-5,767,679	06/16/1998	Schroder
		US-5,777,478	07/07/1998	Jackson
		US-5,811,973	09/1998	Meyer Jr.
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		US-5,886,526	03/1999	Wu
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		US-5,940,777	08/17/1999	Payton et al.
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		WO 02/14906	02/21/2002		
		WO 00/54075	09/14/2000	Profile Technologies, Inc.	
		WO 01/57555	08/09/2001	Den Norske Stats Oljeselskap	
		WO 03/048812	06/12/2003	University of South Hampton	
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		Number-Kind Code <sup>2</sup> (if known)				
		US-2003/0048105A1	01/15/2002	Kuo		
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		US-2004/00271030	02/12/2004	Ellingsrud et al.		
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		USH1561	07/02/1996	Thompson et al.		
		US-6,294,917	09/25/2001	Nichols		
		US-6,339,333	01/15/2002	Kuo		
		US-6,389,360	05/14/2002	Alft et al.		
		US-6,480,000	11/12/2002	Kong		
		US-6,628,119	09/30/2003	Eidesmo et al.		
		US-6,696,839	02/24/2004	Ellingsrud et al.		
		US-6,717,411	04/06/2004	Ellingsrud et al.		
		US-6,842,006	01/11/2005	Conti et al.		
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		WO 90/00749	01/25/1990	Zetetic International Ltd.		
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		WO 94/20864	09/15/1994	Ralph Johler		
		WO 96/33426	10/24/1996	Kurt Sorensen		
		WO 97/33184	09/12/1997	Chevron U.S.A. Inc.		
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EXAMINER INITIAL <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			
		<del>WO 98/28638</del>	<del>07/02/1998</del>	<del>Alexandr Zhakferovich Nizamov</del>	<del>**</del>
		WO 99/13966	03/25/1999	Den Norske Stats Oljeselskap A.S.	
		WO 03/034096	04/24/2003	University of South Hampton	
		GB 2 155 182	09/18/1985	Exxon Prod. Research	
		GB 2 231 602	11/21/1990		
		GB 2 256 715	12/16/1992	Baker Hughes Inc.	
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		GB 2 301 902	12/18/1996	Baker Hughes Inc.	
		GB 2 355 538	04/25/2001		
		EP 0219234	04/22/1987		
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				Filing Date	May 2, 2006
				First Named Inventor	Terje Eidesmo et al.
				Art Unit	2862
				Examiner Name	Bot L. Ledynh
Sheet	8	of	14	Attorney Docket Number 1101.151US01	
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		<del>Cheesman et al., "On The Theory Of Sea-Floor Conductivity Mapping using Transient Electromagnetic Systems": Vol. 52, No. 2; February 1987; pages 204-217;</del>			*
		<del>Ellingsrud et al., "How Electromagnetic Sounding Technique Could be Coming to Hydrocarbon E &amp; P", 20 First Break (March 2002).</del>			*
		<del>Eidesmo et al., "Sea-Bed Logging (SBL), a new method for remote and direct identification of hydrocarbon filled layers in deepwater areas", 20 First Break (March 2002).</del>			*
		<del>Kaufman et al., "EM Field of an Electric Dipole on the Surface of a Medium Containing a Thin Resistant Layer", Frequency and Transient Soundings, publ. Elsevier, (1983).</del>			*
		<del>Kaufman et al., 1981 Annual Meeting Abstracts: Marine EM Prospecting System, 47 Geophysics 431 (1982).</del>			*
		<del>Garg et al., "Synthetic Electric Sounding Surveys Over Known Oil Fields", 49 Geophysics 1959-67 (November 1984).</del>			*
/BL/		Yuan et al., "The Assessment of Marine Gas Hydrates Through Electrical Remote Sounding: Hydrate Without a BSR?"; 27 Geophys. Res. Letts. 204-217 (August 15, 2000).			
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		Edwards, "On the Resource evaluation of Marine Gas Hydrate Deposits Using Sea-Floor Transient Electric Dipole-Dipole Methods", 62 Geophysics 63-74 (January 1997).			**
		<del>Chave et al., "Some Comments on Seabed Propagation of ULF/ELF Electromagnetic Fields", 25 Radio Science 825-36 (September 1990).</del>			*
/BL/	/BL/	MacGregor et al., "Use of Marine Controlled-Source Electromagnetic Sounding for Sub-Basalt Exploration", 48 Geophys. Prosp. 1091-1106 (April 2000).			
		<del>MacGregor et al., "Marine Controlled Source Electromagnetic Sounding: Development of a Regularized Inversion for 2-Dimensional Resistivity Structures", 1 LITHOS Science Report 103-109 (April 1999).</del>			*
/BL/	/BL/	MacGregor et al., "The RAMESSES Experiment - III. Controlled-Source Electromagnetic Sounding of the Reykjanes Ridge", 135 Geophys. J. Int. 773-89 (July 1998).			
/BL/	/BL/	Sinah et al., "Magmatic Processes at Slow Spreading Ridges: Implications of the RAMESSES Experiment at 57 deg. 45'N on the Mid-Atlantic Ridge," 135 Geophys. J. Int. 731-45 (July 1998).			
/BL/	/BL/	Sinah et al., "Evidence for Accumulated Melt Beneath the Slow-Spreading Mid-Atlantic Ridge," 355 Phil. Trans. R. Soc. Lond. A 233-53 (January 1997).			
		<del>Search Report - PCT/GB99/02823</del>			*
		<del>Groaves et al., New Dimensions in Geophysics for Reservoir Monitoring. SPE Formation Evaluation:, Paper SPE 20170; pages 141-150; 1991</del>			*
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		<del>EM Field of an Electric Dipole On The Surface of a Medium Containing A Thin Resistant Layer;</del>				*
		<del>Great Britain Search Report 0119245.9;</del>				*
		<del>"Applications of 3-Dimensional Electromagnetic Induction by Sources in the Ocean", A proposal submitted to MAST III under Area C: Marine Technology, Part 1.</del>				*
		<del>"Applications of 3-Dimensional Electromagnetic Induction by Sources in the Ocean", A proposal submitted to MAST III under Area C: Marine Technology, Part 2.</del>				*
		<del>Barton et al., "LITHOS", Cambridge Advanced Lithological Imaging Project Phase 1: 1998-2001 Sub-basalt Imaging, August 21, 1997.</del>				*
		<del>Chave et al., "Controlled Electromagnetic Sources for Measuring Electrical Conductivity Beneath the Oceans 1", Forward Problem and Model Study, J. Geophysical Research, Vol. 87, No. B7, pp. 5327-5338, July 10, 1982.</del>				*
	/BL/	Constable et al., "Marine Controlled-Source Electromagnetic Sounding 2, The PEGASUS Experiment", Journal of Geophysical Research. 101. B3 (1996): pp. 5519-5530.				
	/BL/	Edwards, "On The Resource Evaluation of Marine Gas Hydrate Deposits Using Sea-Floor Transient Electric Dipole-Dipole Methods"; Resource Evaluation of Marine Gas Hydrate Deposits; January 1, 1997.				
		<del>Edwards et al., "The Assessment of Marine Gas Hydrates through Electrical Remote Sounding: Hydrate without a BSR", Geophysical Research Letters, Vol. 27, No. 16, pp. 2397-2400, Aug. 15, 2000.</del>				*
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		<del>Ellingsrud et al., "How Electromagnetic Sounding Technique Could be Coming to Hydrocarbon E &amp; P", 20 First Break Article, March 1, 2002.</del>			
		<del>Evans, "Constraints on the Large Scale Porosity and Permeability Structure of Young Oceanic Crust from Velocity and Resistivity Data, Geophysical Journal International, Vol. 119, pp. 869-879, 1994.</del>			
		<del>Evans et al., "On the Electrical Nature of the Axial Melt Zone at 13 degrees North on the East Pacific Rise", Journal of Geophysical Research, Vol. 99, No. B1, pp. 577-588, Jan. 1994.</del>			
		<del>Evans et al., "Upper Crustal Resistivity Structure of the East Pacific Rise Near 13 degrees North, Geophysical Research Letters, Vol. 18, No. 10, pp. 1917-1920, Oct. 1991.</del>			
		<del>Explorations, Scripps Institute of Oceanography, Vol. 4, No. 2, 1997.</del>			
		<del>Flosadottir et al., "Marine Controlled-Source Electromagnetic Sounding. 1 Modeling and Experimental Design", Journal of Geophysical Research, Vol. 101, No. B3, pp. 5507 to 5517, Mar. 10, 1996.</del>			
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		<del>MacGregor et al., "Electromagnetic Evidence for a Crustal Melt Accumulation Beneath the Slow Spreading Reykjanes Ridge", Abstract for 13.sup.th Workshop on EM Induction in the Earth.</del>			
		<del>MacGregor et al., "Marine Controlled Source Electromagnetism: Effect of Source-Receiver Geometry on the Response of 1-D models", 1996.</del>			
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/BL/		Strack et al., "Integrating Long-Offset Transient Electromagnetics (LOTEM) with Seismics in an Exploration Environment", Geophysical Prospecting, Vol. 44, pp. 997-1017, 1996.			
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		<del>GREGG et al., "Remote mapping of hydrocarbon extent using marine Active Source EM Sounding," EAGE 65<sup>th</sup> Conference &amp; Exhibition - Stavanger, Norway, 4 pages, June 2-5, 2003.</del>			
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